

Claims

1. Closing mechanism (1; 101; 201; 301) with a plurality of closing elements (2; 102; 202; 302, 302a) such as for example hooks, mushroom heads, or loops, the closing mechanism (1; 101; 201; 301) having a flat carrier (3; 103; 203; 303) and the closing elements (2; 102; 202; 302, 302a) protruding from at least one surface (4) of the carrier (3; 103; 203; 303), characterized in that the closing mechanism (1; 101; 201; 301) at least in certain sections has a heating means (5; 105; 205; 305) which converts supplied energy into heat.
2. The adhesive fastener component (1; 101; 201; 301) as claimed in claim 1, wherein the heating means (5; 105; 205; 305) converts supplied electrical energy into heat, especially wherein the heating means (5; 105; 205; 305) is a resistance heater.
3. The adhesive fastener component (1; 101; 201; 301) as claimed in claim 1 or 2, wherein the heating means (5; 105; 205; 305) is applied in thick or thin film technology to the flat carrier (3; 103; 203; 303).
4. The adhesive fastener component (1; 101; 201; 301) as claimed in one of claims 1 to 3, wherein the heating means (5; 105; 205; 305) is applied by screen printing or offset printing to the flat carrier (3; 103; 203; 303).
5. The adhesive fastener component (1; 101; 201; 301) as claimed in one of claims 1 to 4, wherein the carrier (3; 103; 203; 303) has printed conductors (115, 120) and/or terminal electrodes (15, 16) for making electrical contact with the heating means (5; 105; 205; 305).
6. The adhesive fastener component (1; 101; 201; 301) as claimed in one of claims 1 to 5, wherein the heating means (5; 105; 205; 305) is applied to another carrier which is

laminated onto the flat carrier (3; 103; 203; 303) of the adhesive fastener component (1; 101; 201; 301).

7. The adhesive fastener component (1; 101; 201; 301) as claimed in one of claims 1 to 6, wherein the adhesive fastener elements (2; 102; 202; 302, 302a) are made integral with the flat carrier (3; 103; 203; 303).
8. The adhesive fastener component (1; 101; 201; 301) as claimed in one of claims 1 to 7, wherein the adhesive fastener elements (2; 102; 202; 302, 302a) and the flat carrier (3; 103; 203; 303) are produced jointly by thermoplastic shaping.
9. The adhesive fastener component (1; 101; 201; 301) as claimed in one of claims 1 to 8, wherein the carrier (3; 103; 203; 303) and/or the adhesive fastener elements (2; 102; 202; 302, 302a) is or are produced from a polymer plastic, especially from a duroplastic, for example an acrylate plastic, or from a thermoplastic, for example polyester or polyamide.
10. The adhesive fastener component (1; 101; 201; 301) as claimed in one of claims 1 to 7, wherein the carrier (3; 103; 203; 303) is a textile product, especially wherein the carrier (3; 103; 203; 303) is produced by weaving, knitting, braiding, or embroidery.
11. The adhesive fastener component (1; 101; 201; 301) as claimed in claim 10, wherein the heating means (5; 105; 205; 305) is located between two plies of the textile carrier.
12. The adhesive fastener component (1; 101; 201; 301) as claimed in one of claims 1 to 11, wherein the adhesive fastener component (1; 101; 201; 301) furthermore has an energy storage device, especially an electrochemical energy storage device, in thick or thin film technology.

13. Method for producing an adhesive fastener component (1; 101; 201; 301) with a plurality of adhesive fastener elements (2; 102; 202; 302, 302a) such as for example hooks, mushroom heads, or loops, the adhesive fastener component (1; 101; 201; 301) having a flat carrier (3; 103; 203; 303) and the adhesive fastener elements (2; 102; 202; 302, 302a) protruding from at least one surface (4) of the carrier (3; 103; 203; 303), and the adhesive fastener component (1; 101; 201; 301) at least in certain sections having a heating means (5; 105; 205; 305) which converts supplied energy into heat, wherein the heating means (5; 105; 205; 305) is applied to the carrier (3; 103; 203; 303) which already has the adhesive fastener elements (2; 102; 202; 302, 302a).
14. The method as claimed in claim 13, wherein the heating means (5; 105; 205; 305) is applied, especially printed, in thick or thin film technology, onto the flat carrier (3; 103; 203; 303).
15. The method as claimed in claim 13 or 14, wherein before applying the heating means (5; 105; 205; 305) the carrier (3; 103; 203; 303) which has the adhesive fastener elements (2; 102; 202; 302, 302a) undergoes surface treatment which improves adhesion of the heating means (5; 105; 205; 305) which is to be applied.